AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method of providing an embedded web server for a device, comprising ~~the steps of~~:

(A) providing a web server class library and a virtual machine class library, wherein the web server class library and the virtual machine class library include class files ~~classes~~ for different web applications and for forming different application-specific web servers that execute on the device;

(B) identifying a particular web application to be run on the device; and

(C) compiling the web server by selecting, from the web server class library and the virtual machine class library, ~~classes~~ class files required to run the web application on ~~in~~ the device to form the web server, wherein the web server is specific to the web application and wherein the web server exchanges messages with other devices in communication with the device via a network.

2. (Currently Amended) The method of claim 1, wherein the step (C) further comprises receiving at a compiler the web server and virtual machine libraries and the web application, the compiler parsing the web server and virtual machine libraries to select the class files ~~classes~~ that correspond to the web application.

3. (Currently Amended) The method of claim 1, wherein for each of the web server and virtual machine libraries, the step (C) is performed by

(I) identifying from a ~~the~~ library a class required to run the web application;

(II) extracting from a ~~the~~ class file of the required class other classes required to run the required class;

(III) repeating the steps (I) and (II) for each of the required classes until the required class is a base class;

(IV) collecting all the required classes to form the ~~application-specific~~ web server.

4. (Currently Amended) The method of claim 1, wherein the device is an electronic device and the ~~application-specific~~ web server is embedded in the device.

5. (Currently Amended) The method of claim 1, wherein the device runs a plurality of web applications, including the particular web application, wherein the step (C) compiles the web server by selecting, from the web server class library and the virtual machine class library, class files ~~classes~~ required to run all of the web applications in the device to form the web server.

6. (Currently Amended) A system for providing a web server for a device running a web application, comprising:

[[(A)]] a web server class library that includes web server class files ~~and a virtual machine class library, each including classes~~ for different web applications for forming different application-specific web server cores ~~servers~~;

a virtual machine class library that includes virtual machine class files for the different web applications and for the web server class files for forming different application-specific virtual machines; and

[[(B)]] a compiler that accesses ~~receives~~ the web server class library and the virtual machine class library, ~~libraries and~~ identifies the web

application, selects from the web server class library and the virtual machine class library the web server class files and the virtual machine class files ~~classes~~ required to run the web application on ~~in~~ the device, forms an application-specific web server core that is specific to the web application, and forms an application-specific virtual machine that is specific to the web application, wherein the application-specific web server core and the application-specific virtual machine in combination constitute an application-specific web server that enables the web application to execute on the device.

7. (Original) The system of claim 6, wherein the device is an electronic device and the application-specific web server is embedded in the device.

8. (Currently Amended) The system of claim 6, wherein the compiler selects the class files ~~required classes~~ from each of the web server and virtual machine libraries by

(I) identifying from a ~~the~~ library a class required to run the web application;

(II) extracting from a ~~the~~ class file of the required class other classes required to run the required class;

(III) repeating the steps (I) and (II) for each of the required classes until the required class is a base class;

(IV) collecting all the required classes to form the application-specific web server.

9. (Currently Amended) The system of claim 6, wherein the device runs a plurality of web applications, including the particular web application, wherein the compiler compiles a ~~the~~ web server for running

all of the plurality of web applications by selecting, from the web server and virtual machine libraries, class files required to run all web applications in ~~of~~ the plurality of web applications.

10. (Currently Amended) A web server structure for a device, comprising:

[[(A)]] a web application that performs a predetermined web function; and

[[(B)]] an application-specific web server core and an application-specific virtual machine that together constitute an application-specific web server that enables the web application to execute ~~the web application~~ on the device, wherein the application-specific web server core and the application-specific virtual machine are compiled from a web server class library and a virtual machine class library respectively, wherein the web server class library ~~and the virtual machine class library include~~ includes web server class files ~~classes~~ for different web applications and for forming different application-specific web server cores, and wherein the virtual machine class library includes virtual machine class files for the different web applications and for the web server class files for forming ~~servers and~~ different application-specific virtual machines, wherein the application-specific web server allows the device to be accessed by other devices in communication with the device via a network.

11. (Original) The web server structure of claim 10, wherein the device is an electronic device and the application-specific web server structure is embedded in the device.

12. (Original) The web server structure of claim 10, further comprising a plurality of web applications, including the particular web

application, wherein the application-specific web server core and virtual machine are specifically configured to run the applications such that they require minimized storage space when embedded in the device.

13. (New) The method of claim 1, wherein the web server comprises a web server core specific to the web application and a virtual machine specific to the web application, the web server core compiled from class files in the web server class library and the virtual machine compiled from class files in the virtual machine class library.

14. (New) The method of claim 13, wherein the class files in the virtual machine class library comprise class files for the class files in the web server class library.

15. (New) The system of claim 6, wherein the application-specific web server exchanges messages with other devices in communication with the device via a network.